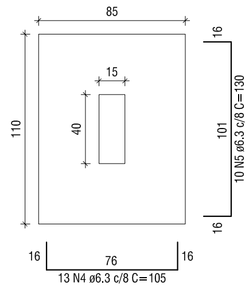
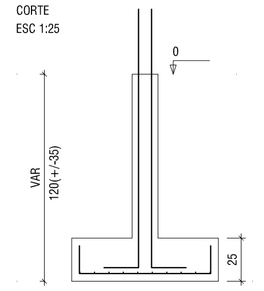
S1=S2

PLANTA
ESC 1:25



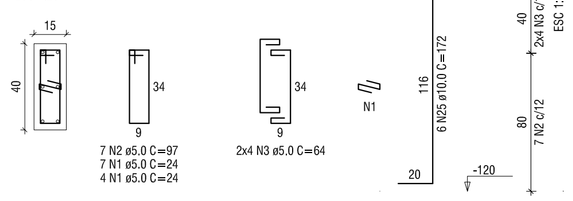
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

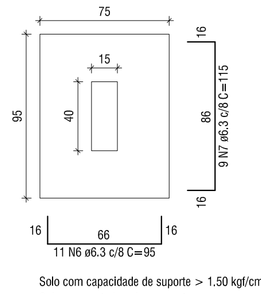
P1=P2

TÉRREO - L1
ESC 1:20

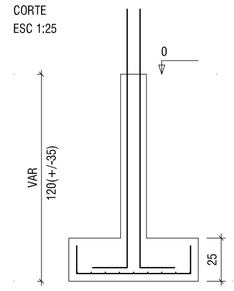


S3=S8

PLANTA
ESC 1:25



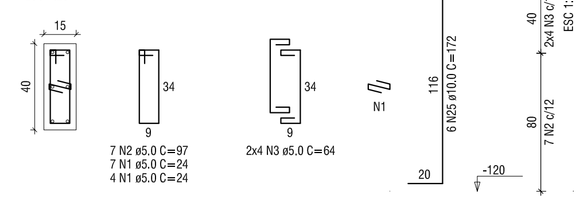
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

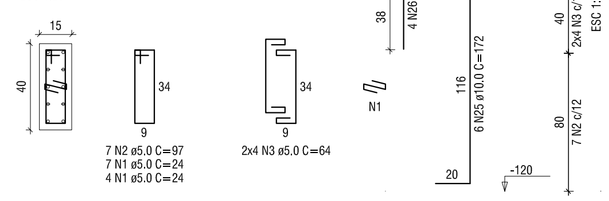
P3

TÉRREO - L1
ESC 1:20



P8

TÉRREO - L1
ESC 1:20



RELAÇÃO DO AÇO

2xP1	P3	9xP4	
2xP5	P7	P8	
3xP11	3xP17	2xS1	
2xS3	2xS5	S7	
3xS11	9xS12	3xS17	
V1	V2	V3	
V4	V5	V6	
V7			

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	242	24	5808
	2	5.0	404	97	39188
	3	5.0	176	64	11264
CA50	4	6.3	26	105	2730
	5	6.3	20	130	2600
	6	6.3	58	95	5510
	7	6.3	18	115	2070
	8	6.3	91	110	10010
	9	6.3	22	135	2970
	10	6.3	14	105	1470
	11	6.3	11	130	1430
	12	6.3	27	120	3240
	13	6.3	99	85	8415
	14	6.3	27	75	2025
	15	6.3	18	100	1800
	16	8.0	4	994	3976
	17	8.0	6	1019	6114
	18	8.0	2	450	900
	19	8.0	2	498	996
	20	8.0	4	1002	4008
	21	8.0	4	1044	4176
	22	8.0	2	1010	2020
	23	8.0	2	224	448
	24	8.0	2	274	548
	25	10.0	132	172	22704
	26	10.0	4	75	300

RESUMO DO AÇO

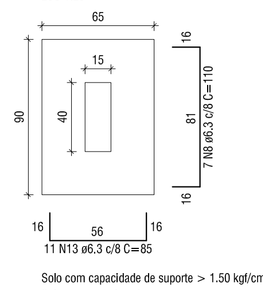
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 5% (Barras)	UNIT	PESO + 5% (kg)
CA50	6.3	442.7	39	12 m	113.7
	8.0	231.9	21	12 m	96.1
	10.0	230	21	12 m	148.9
CA60	5.0	562.6	50	12 m	91.1

PESO TOTAL (kg)	
CA50	358.7
CA60	91.1

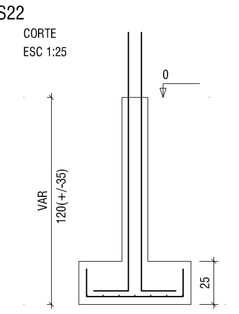
Volume de concreto (C-25) - fundação = 3.8 m³
Área de forma - fundação = 18.20 m²
Área de forma - vigas baldrames = 53,89 m²
Volume de concreto (C-25) - vigas baldrames = 3,41 m³
Volume de concreto (C-25) - pilares = 1,6 m³
Área de forma - pilares = 29,0 m²

S4=S9=S10=S12=S13=S14=S15=S16=S22

PLANTA
ESC 1:25



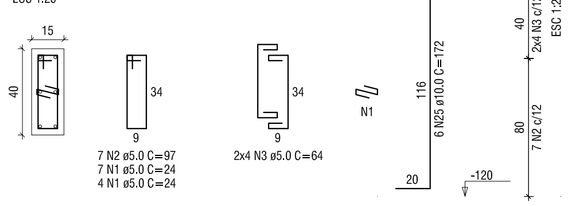
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

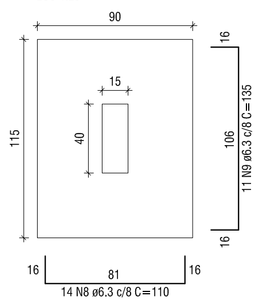
P4=P9=P10=P12=P13=P14=P15=P16=P22

TÉRREO - L1
ESC 1:20

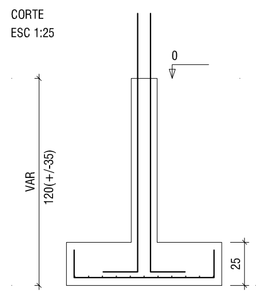


S5=S6

PLANTA
ESC 1:25



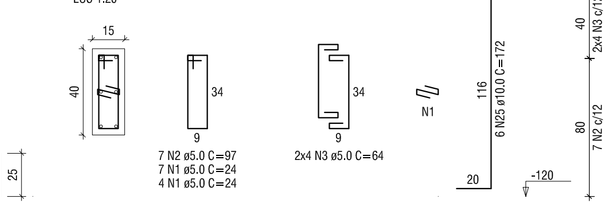
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

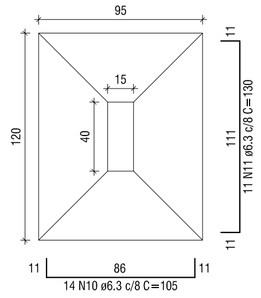
P5=P6

TÉRREO - L1
ESC 1:20

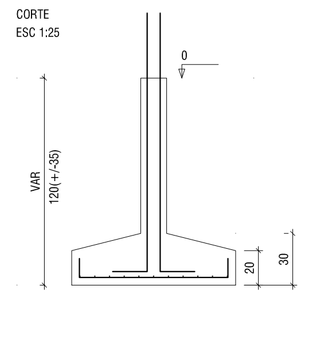


S7

PLANTA
ESC 1:25



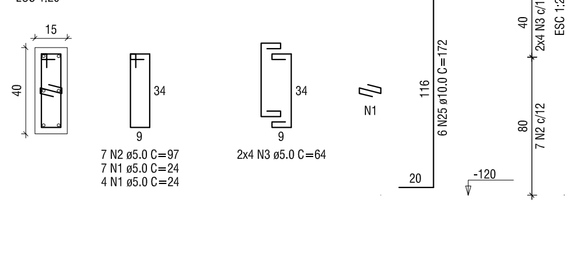
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

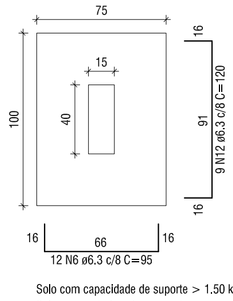
P7

TÉRREO - L1
ESC 1:20

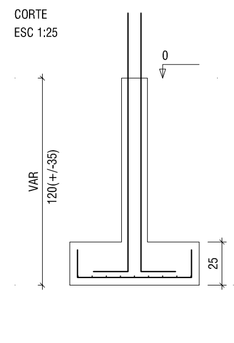


S11=S19=S20

PLANTA
ESC 1:25



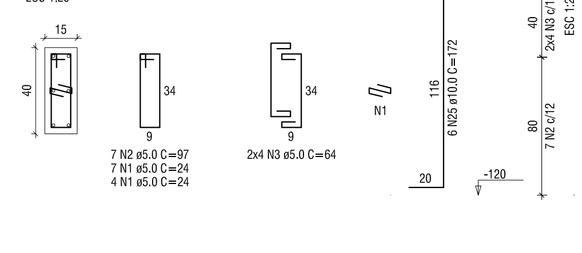
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

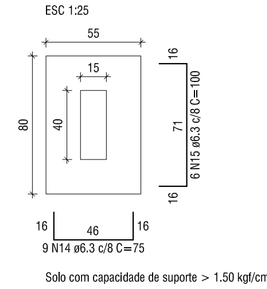
P11=P19=P20

TÉRREO - L1
ESC 1:20

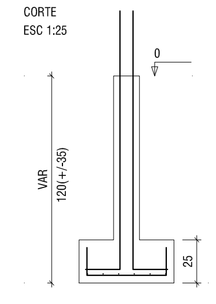


S17=S18=S21

PLANTA
ESC 1:25



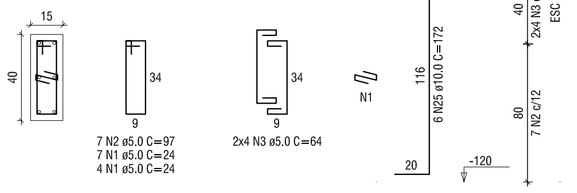
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

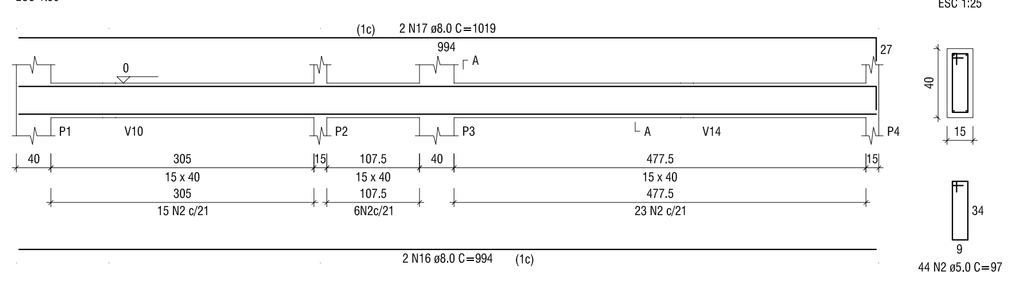
P17=P18=P21

TÉRREO - L1
ESC 1:20



V1

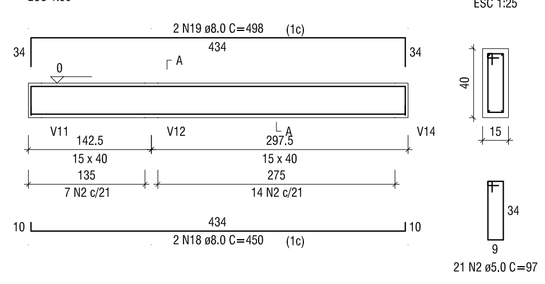
ESC 1:50



SEÇÃO A-A
ESC 1:25

V2

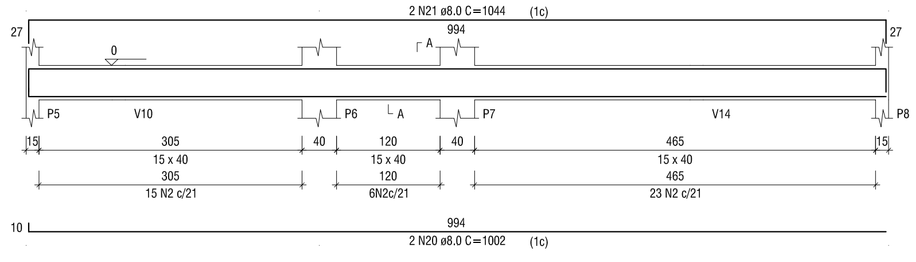
ESC 1:50



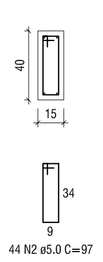
SEÇÃO A-A
ESC 1:25

V3

ESC 1:50

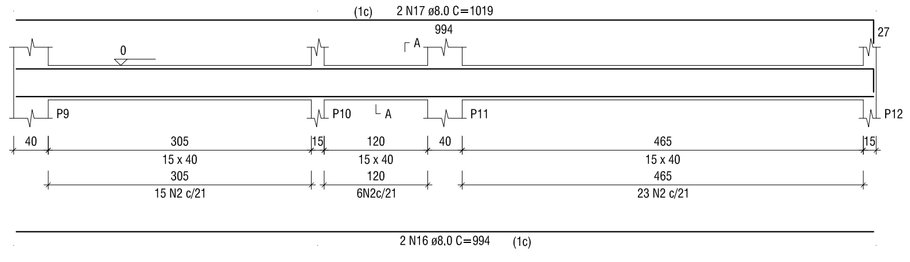


SEÇÃO A-A
ESC 1:25

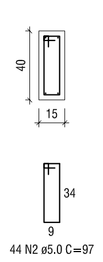


V4

ESC 1:50

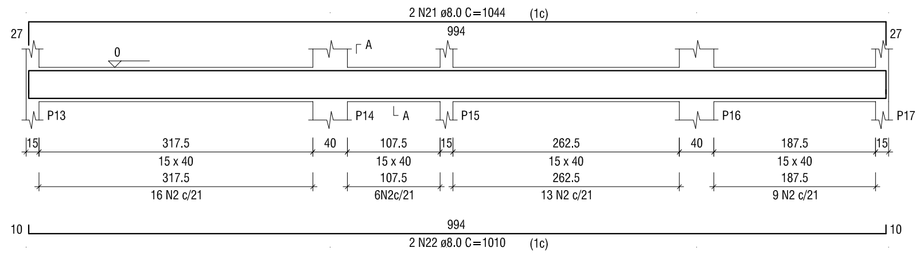


SEÇÃO A-A
ESC 1:25

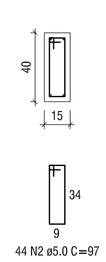


V5

ESC 1:50

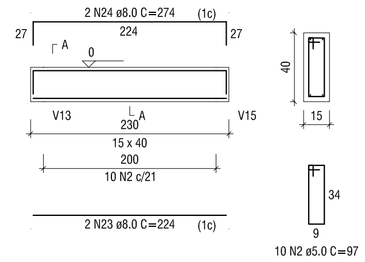


SEÇÃO A-A
ESC 1:25

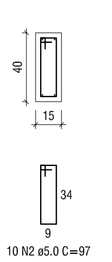


V6

ESC 1:50

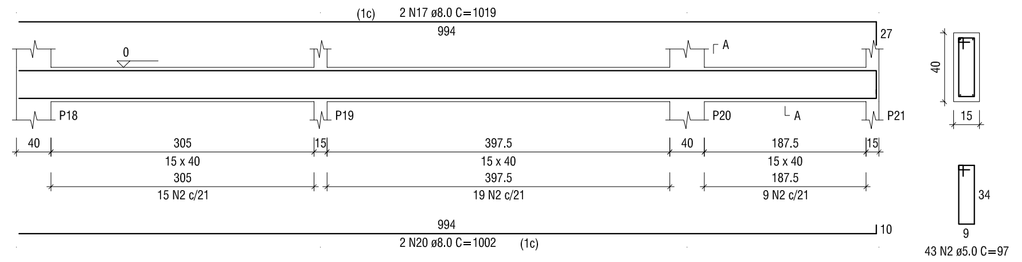


SEÇÃO A-A
ESC 1:25



V7

ESC 1:50



SEÇÃO A-A
ESC 1:25

Projeto Estrutural e de Fundação

PREFEITURA
LAJINHA-MG
Rua Dr. Sátiro Hubner Franca Carneiro, Nº65 MG Lajinha-MG
CNPJ n.18.295.513/0001-41 Tel.(33) 3344 1006

OBRA:
Construção do Centro de Assistência Social

ENDEREÇO:
Rua José Rodrigues, s/n, bairro Sagrada Família - Lajinha/MG

RESPONSÁVEL TÉCNICO:
THAÍS BOECHAT DE LIMA BASTOS — **CREA:** 212.895/D

CONTEÚDO:
Fundação - Sapatas, Pilar de Arranque e Vigas Baldrames

ÁREA DA OBRA: 135,90 m²

ÁREA DO TERRENO:

OBSERVAÇÕES:
Aproximadamente 7,000 pessoas serão beneficiadas diretamente e indiretamente com a construção do CRAS.

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE LAJINHA

DESENHO:
THAÍS BOECHAT DE LIMA BASTOS

DATA:
06/2021

1/7